Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/11/2016 10:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/06/2016 09:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123857	-1	2.79	123849	2.78
Blue	F	SSC	125000	123626	-2	5.18	124292	5.20
Blue	E	FITC	21137	20721	-2	3.47	924	10.04
Blue	D	PE	25913	25137	-3	3.15	899	9.45
Blue	B	PerCP-Cy5-5	46728	46415	-1	4.21	1334	16.07
Blue	A	PE-Cy7	40457	40031	-2	5.61	619	33.40
Red	C	APC	50567	49790	-2	2.81	2870	9.25
Red	A	APC-Cy7	52095	50101	-4	2.86	1037	10.86
Violet	B	V450	13425	12917	-4	3.46	622	8.45
Violet	A	V500	55630	53984	-3	3.28	2407	5.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19066	4.21	600	2	N/A	N/A	Pass
Blue	F	SSC	61658	3.78	520	2	N/A	N/A	Pass
Blue	E	FITC	102	35.66	524	-1	0.0228	42	Pass
Blue	D	PE	198	26.34	518	-1	0.1792	187	Pass
Blue	B	PerCP-Cy5-5	209	41.11	613	0	0.0115	52	Pass
Blue	A	PE-Cy7	69	106.30	664	0	0.0134	6	Pass
Red	C	APC	332	27.32	587	-4	0.0216	84	Pass
Red	A	APC-Cy7	113	40.03	565	-6	0.0062	1875	Pass
Violet	B	V450	74	39.85	460	-3	0.0494	1727	Pass
Violet	A	V500	174	22.65	492	-2	0.0159	647	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.14	-30.92	0.81
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.30
Red	15.74	13.28 - 19.92	N/A	N/A	31.50	31.71	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9765

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments